ABSTRACT OF THE DISCLOSURE

A temperature indicating material of the present invention including at least an electron donating compound, an electron accepting compound, a reversible material causing reversible transformation between crystal and amorphous, or reversible transformation between phase separation and non-phase-separation, with respect to a part or all of the composition system; and a temperature characteristic controller having solid-state in room temperature. At least a part of the temperature characteristic controller dissolves in the electron accepting compound, the reversible material, or the electron accepting compound and the reversible material so as to change speed of the reversible transformation between crystal and amorphous, or speed of the reversible transformation between phase separation and non-phase-separation, with respect to the composition system, by its reversible transformation between crystal and amorphous, or speed of the reversible transformation between phase separation and non-phase separation. The temperature characteristic controller is proper to use the material which not prevent mutual action between the electron donating compound and an electron accepting compound after phase separation thereof. Thus, the temperature indicating material of the present invention is capable of executing temperatuer monitoring operation in the environment under room temperature without various drawbacks.